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LIQUID CRYSTAL DISPLAY

Abstract:

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A liquid crystal display (10a) capable of operating in both transmissive and reflective modes. The display includes a liquid crystal device (14), and an electro-optic element (27) which comprises a layer of colourless transparent light emitting material sandwiched between a transparent electrode and a reflective electrode. The liquid crystal device (14) is disposed between a front polarizer (12) and a rear polarizer (16). In the transmissive mode, the electro-optic element (27) functions as a backlight, and in the reflective mode it functions as a reflector. The display (10a) also includes a diffuser (28) which increases the viewing angle of the display.

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